## Federal Energy and Water Management AWARDS

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Fort Carson completed several projects and instrumental planning efforts in FY 2012 that contributed to its net-zero objectives and reduced its energy intensity by 14.7 percent and water intensity by 8 percent from their respective baselines. The site team partnered with multiple organizations to develop innovative solutions, including the National Renewable Energy Laboratory to execute a Net-Zero Assessment and Recommendations report, and the Pacific Northwest National Laboratory to develop water balancing report and strategy related to Fort Carson's net-zero water strategy. The Fort Carson team also coordinated with the U.S. Army

Corps of Engineers to investigate opportunities to use wastewater effluent to expand its existing non-potable irrigation system.

Fort Carson also implemented lighting retrofits, chiller replacements, and expansion of the energy management control system in FY 2012, which are estimated to save more than \$60,000 annually. The site also constructed a Leadership in Energy and Environment Design (LEED) Platinum-certified facility, and partnered on two Department of Defense efforts to demonstrate leading edge technologies for combined heat and power and biomass gasification.



